
1. (Three Times Amended) A thick-film electric heater, comprising:

- C1
- a) a thermally conductive non-flat substrate surface;
 - b) a silk-screened dielectric layer applied on said substrate surface;
 - c) a resistive layer silk-screened on said dielectric layer thereby forming a circuit for the generation of heat, the resistive layer having at least one resistive trace in a pattern that is discontinuous circumferentially;
 - d) at least a pair of silk-screened contact pads applied in electrical communication with said resistive layer for electrical connection to a power source; and
 - e) an insulation layer applied over said resistive layer.
-

28. (Three Times Amended) An injection mold runner nozzle having a co-axially disposed cylindrical heater comprising:

- C2
- a) a cylindrical, thermally conductive substrate having a smaller coefficient of thermal expansion than that of said nozzle, thereby causing said substrate to clamp onto said nozzle as said nozzle and said substrate heat up;
 - b) a dielectric layer silk-screened on said substrate;
 - c) a resistive layer silk-screened on said dielectric layer thereby forming an electrical circuit for heat generation, the resistive

layer having at least one resistive trace in a pattern that is discontinuous circumferentially around the substrate;

- C2
- d) at least a pair of contact pads applied in electrical communication with said resistive layer for electrical connection to a power source; and
 - e) an insulation layer applied over said resistive layer.
-

30. (Amended) A thick-film electric heater, comprising:

- C3
- a) a thermally conductive non-flat substrate surface;
 - b) a dielectric layer silk-screened on said substrate surface;
 - c) a resistive layer silk-screened on said dielectric layer thereby forming a circuit for the generation of heat, the resistive layer having at least one resistive trace in a pattern that is discontinuous circumferentially;
 - d) at least a pair of contact pads applied in electrical communication with said resistive layer for electrical connection to a power source; and
 - e) an insulation layer applied over said resistive layer.
-

REMARKS

Claims 1-5, 7-22 and 28-31 are pending, with Claims 1, 28, and 30 being independent. In this Amendment, Claims 6 has been cancelled, and Claims 1,